

July 31, 2019

Ted White, B.Sc.
 Director and Comptroller of Water Rights
 Ministry of Forests, Lands, Natural Resource Operations and Rural Development
 PO Box 9340 Stn Prov Govt
 Victoria, BC V8W 9M1

Dear Mr. White:

**Re: Puntledge River Project Water Use Plan
 Monitoring Programs and Physical Works Annual Report 2019**

Your letters approving the Puntledge River Water Use Plan monitoring programs and physical works Terms of Reference state that BC Hydro is required to submit an annual report as well as individual monitoring program reports in July of each year. As per your approval email dated July 25, 2019, recognizing that PUNWORKS-1 Gravel Replacement in the Puntledge River is the only project left in implementation under the Puntledge River Water Use Plan, the annual report for 2019 is provided via this letter.

PUNWORKS-1 Gravel Replacement in the Puntledge River

This project is for the placement and periodic maintenance of approximately 2000 square metres of spawning gravel in the Puntledge River which is to be undertaken in consultation with agencies.

On December 3, 2018, BC Hydro received approval of a Terms of Reference (TOR) for PUNWORKS-1 to proceed to definition and implementation stages, as it was anticipated that the access issues via a private property were near resolution. Unfortunately, we have not reached a suitable agreement, so as part of the design and specification validation, we are revisiting alternative locations. We expect to work with agencies to select an appropriate alternative and develop a workplan accordingly. We will make further submissions once the location and cost estimates are updated with the recommended alternative.

Consequently, there has been a change to the PUNWORKS-1 project schedule, and expect implementation to continue through 2020 and possibly into 2021. The updated financial information is in Table 1 below.

Table 1: Puntledge River WUP Monitoring Programs and Physical Works Costs

Monitoring Programs and Physical Works	Costs approved by CWR	Life to Date Actuals (LTD)	Estimated to Complete (Forecast)	Total Forecast (LTD and Forecast)	Variance Total to Approved	Explanation	Corrective Action
Puntledge WUP Annual Report	\$6,978	\$5,281	\$1,696	\$6,978	(\$0)		
PUNM01A Adult Fish Passage Mo	\$355,431	\$318,665		\$318,665	\$36,766	Project Completed	
PUNW01A Adult Fish Passage Mo - OR DM	\$58,961	\$49,286		\$49,286	\$9,675		
PUNW01A Adult Fish Passage Mo - OR Imp	\$296,470	\$269,379		\$269,379	\$27,091		
PUNM02A Egg Incubation Assess	\$100,962	\$95,351		\$95,351	\$5,611	Project Completed	
PUNW02A Egg Incubation Assess - OR DM	\$20,862	\$16,091		\$16,091	\$4,771		
PUNW02A Egg Incubation Assess - OR Imp	\$80,100	\$79,259		\$79,259	\$841		
PUNM03A Steelhead Production	\$346,828	\$332,803		\$332,803	\$14,125	Project Completed	
PUNW03A Steelhead Production - OR DM	\$70,228	\$61,401		\$61,401	\$8,827		
PUNW03A Steelhead Production - OR Imp	\$276,700	\$271,401		\$271,401	\$5,299		
PUNM04A Stranding Assessment	\$15,841	\$15,251		\$15,251	\$590	Project Completed	
PUNW04A Stranding Assessment - OR DM	\$7,472	\$7,046		\$7,046	\$426		
PUNW04A Stranding Assessment - OR Imp	\$8,369	\$8,204		\$8,204	\$155		
PUNM05A Kayak Cost Benefit - ONR		\$964		\$964	(\$964)	Project Completed	
PUNW05A Kayak Cost Benefit - ONR DM OS		\$7		\$7	(\$7)		
PUNW05A Kayak Cost Benefit - ONR Imp OS		\$957		\$957	(\$957)		
PUNM05A Kayak Cost Benefit - OR	\$64,094	\$64,094		\$64,094	(\$0)	Project Completed	
PUNW05A Kayak Cost Benefit - OR DM	\$27,894	\$27,894		\$27,894	(\$0)		
PUNW05A Kayak Cost Benefit - OR Imp	\$36,200	\$36,200		\$36,200	(\$0)		
PUNW01A Gravel Replacement	\$397,365	\$48,045	\$289,390	\$337,434	\$59,931	A ToR may be submitted based on results from site assessment	
PUNW01A Gravel Replacement - OR DM	\$139,889	\$48,045	\$34,344	\$82,388	\$57,501		
PUNW01A Gravel Replacement - OR Imp	\$257,476		\$255,046	\$255,046	\$2,430		

OR - Ordered Remissible
 ONR - Ordered Non-Remissible

Should you have any questions please do not hesitate to contact me.

Regards,



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C:
Toby Jones, BC Hydro
Shelley Wenaas, BC Hydro
Manjit Kerr-Upal, Ministry of Environment
Dan Sneep, Fisheries and Oceans Canada